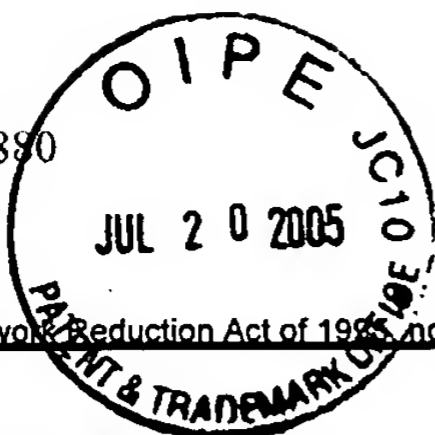


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PTO/SB/21 (09-04)

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**TRANSMITTAL  
FORM**

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Total Number of Pages in This Submission

Application Number	10/634,709
Filing Date	August 5, 2003
First Named Inventor	Bunker, et al
Art Unit	1624
Examiner Name	Deepak R. Rao
Attorney Docket Number	PC25236A

**ENCLOSURES (Check all that apply)**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below):<br>Non-U.S. patent Cited References.<br>Return Postcard |
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Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Signature

*Claude F. Purchase, Jr.*

Printed name

Claude F. Purchase, Jr.

Date

*July 18, 2005*

Reg. No.

47,871

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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*Cicely M. Bohms*

Typed or printed name

Cicely M. Bohms

Date

*7/18/05*

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USPTO Fax No. 571-273-8300



PC25236A

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICATION NO. : 10/634,709 Confirmation No.: 7386  
APPLICANT(S) : BUNKER, ET AL.  
FILED : AUGUST 5, 2003  
ART UNIT : 1624  
EXAMINER : Deepak R. Rao  
DOCKET NO. : PC25236A  
CUSTOMER NO. : 28880

Commissioner for Patents  
PO BOX 1450  
Alexandria, VA 22313-1450  
FAX: 571-273-8300

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97**

Dear Sir:

This paper accompanies a submission of forms PTO/SB/08A and PTO/SB/08B for a second information disclosures statement (IDS) for U.S. Patent Application No. 10/634,709, filed August 5, 2003. Applicants believe that this paper is being filed before the mail date of the first Office Action under § 1.104. The Commissioner for Patents is hereby authorized to charge any payment of fees required for this communication, or credit any overpayment of fees, to deposit account 23-0455.

**Remarks begin on page 2.**

**REMARKS**

Consideration in accordance with 37 C.F.R. § 1.104(a) of the items listed on the enclosed forms PTO/SB/08A and PTO/SB/08B is respectfully requested. No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§102 or 103.

Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the enclosed Forms PTO/SB/08A and PTO/SB/08B, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication. It is respectfully requested that all cited references considered by the Examiner be listed in the "References Cited" portion of any patent issuing from this application (MPEP § 1302.12).

Respectfully submitted,

Date: July 18, 2005

Claude F. Purchase, Jr.  
Claude F. Purchase, Jr.  
Reg. No. 47,871  
Warner-Lambert Company  
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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	10/634,709
Filing Date	August 5, 2003
First Named Inventor	Bunker, et al
Art Unit	1624
Examiner Name	Deepak R. Rao
Attorney Docket Number	PC25236A

Sheet	1	of	4
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> ~Number <sup>4</sup> ~Kind Code <sup>5</sup> (if known)				
		WO-01/63244	08-30-2001	Chen, et al		
		WO-00/09485	02-24-2000	McClure, et al		
		WO-01/12611	02-22-2001	Blagg		
		WO-02/34726	05-02-2002	Noe, et al		
		WO02/34753	05-02-2002	Bronk, et al		
		EP-0935963	08-18-1999	McClure, et al		

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				First Named Inventor	Bunker, et al
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				Examiner Name	Deepak R. Rao
				Attorney Docket Number	PC25236A
Sheet	2	of	4		

[illegible]

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		EP-1138680	10-04-2001	Noe, et al		
		CA-2,082,076	05-06-1993	Weidmann, et al		
		WO-01/12612	02-22-01	Hargreaves, et al		
		EP-0286364	07-13-94	Scherrer		

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		First Named Inventor	Bunker, et al		
		Art Unit	1624		
		Examiner Name	Deepak R. Rao		
Sheet	3	of	4	Attorney Docket Number	PC25236A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Billinghurst, et al, "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthritis & Rheumatism, Vol. 43, No. 3 March 2000, pp.664-672.	
		Dahlberg, et al, "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor That Spares Collagenase I (Matrix Metalloproteinase 1)", Arthritis & Rheumatism, Vol. 43, No. 3, March 2000 pp. 673-682.	
		Freemont, et al, "In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage", Ann. Rheum. Dis. 1999, 58, pp.357-365.	
		Hirota, et al, "Novel Synthesis of Pyrido[3,4-d]Pyrimidines, Pyrido[2,3-d]-Pyrimidines and Quinazolones via Palladium-Catalyzed Oxidative Coupling", Heterocycles, Vol. 37, No. 1, 1994 pp.563-570.	
		Reboul, et al, "The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes", J. Clin. Invest. Vol. 97, No. 9, May 1996 pp.2011-2019.	
		Wernicke, et al, "Cloning of Collageanse 3 from the Synovial Membrane and Its Expression In Rheumatoid Arthritis and Osteoarthritis", J. of Rheumatology, 1996, Vol. 23, No. 4, pp.590-595.	
		Chen, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, Vol. 122, pp. 9648-9654.	
		Billinghurst, et al, "Enhanced Cleavage of Type II Collagen by Collagenase in Osteoarthritic Articular Cartilage", J. Clin. Invest., Vol. 99, No. 7, April 1997, pp.1534-1545.	
		Lovejoy, et al, "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biology, Vol. 6, No. 3, March 1999, pp.217-221.	
		Moy, et al, "High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-13) Complexed with a Hydroxamic Acid Inhibitor", J. Mol. Biol., 2000, Vol. 302, pp. 671-689.	

Examiner Signature		Date Considered	
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				Filing Date	August 5, 2003
				First Named Inventor	Bunker, et al
				Art Unit	1624
				Examiner Name	Deepak R. Rao
Sheet	4	of	4	Attorney Docket Number	PC25236A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Office Action mailed June 16, 2003, in U.S. 10/264,764	
		Neuhold, et al, "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice" J. Clin. Invest. January 2001, Vol. 107, No. 1 pp.35-44.	
		Mitchell, et al, "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., Vol. 97, No. 3, February 1996 pp.761-768.	
		International Search Report in PCT/IB03/03616	
		Chemical Abstracts Nakayama, et al, "Preparation of 2-ethynylthiazole derivatives as leukotriene antagonists" AN 129:189329	

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